

# Integrated proportioning system delivers fuel savings



## CASE STUDY

### Challenge

Great Northern Insulation Services LTD (GNI), based in Ontario Canada, has over 30 years of experience in the insulation and weatherization industry and is one of the largest Canadian insulation companies with five locations, a 30 plus fleet of spray rigs and 160 employees. In 2011, they had an opportunity to spray a large job at a local health facility's newly-constructed parking garage in downtown Toronto. This job required 32 sets of BASF WALLTITE® Eco v.2.

### Solution

Graco partnered with their distributor Bolair Fluid Handling Systems to recommend the Graco Reactor E-30i™ Integrated Proportioning System, which was chosen for this project and located on site throughout the duration. The new equipment was chosen because of its potential fuel savings, and improved spray performance due to the system's advanced controls.

### Results

GNI was extremely impressed with the new Graco Reactor E-30i and especially with the additional benefits gained from the fuel savings, quick start-up time, improved spray performance and advanced display module (ADM). Jeff Crawford, ICI Division Manager for GNI said, "Our commercial applicators noticed significant fuel savings over our traditional larger diesel generator foam application units. With an eight-hour work day, this unit consumed less than five gallons of fuel every two days. It is a quiet running unit with no fluctuation and a very consistent and controlled foam application."

Onsite sprayers, Jeff Ames and Nathan Harrison, said that the equipment was easy to start-up, heated up quicker than their E-30, sprayed smoothly with no pulsation whatsoever, and was less noisy because of the smaller 29 hp Perkins engine. They also said it took up less space and overall performance was great. The team also commented that the "USB download will be useful for tracking job results, the overall display is easy to use and visually easy to understand."



*GNI realized significant fuel savings with the new Reactor® Integrated Proportioning System.*

For more information, contact us at 1-800-746-0883 or [info@graco.com](mailto:info@graco.com). Visit us at [www.graco.com/composites](http://www.graco.com/composites)

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## SPECIFICATIONS

### END USER

Great Northern Insulation Services LTD

### INDUSTRY

Insulation and Weatherization

### DISTRIBUTOR

Bolair Fluid Handling Systems

### APPLICATION

New construction –  
Parking garage

### Material Specs:

- Name of Material – WALLTITE Eco v.2, 2 lb sprayfoam
- Material Supplier – BASF

### Typical Properties

- Ratio (A:B) by volume 1:1
- Viscosity – cps at 77°F (25°C):
- WALLTITE Eco v.2 Resin (Resin):  
250 ± 50
- Elastospray 8000A Isocyanate (ISO):  
200 ± 30
- Chemistry: Polyurethane
- Specific Gravity at 77°F (25°C):
- Resin: 1.20
- Iso: 1.22

### GRACO EQUIPMENT

- Reactor E-30i Integrated Proportioning System

### CONFIGURATION

- Heat zones: 106°F (41°C)
- Hose: 300 ft (91 m) heated hose, 10 ft (3 m) heated whip hose

### Accessories:

- Graco Fusion® AP Gun with O2 Chamber

### Delivery Method:

- Spray



*The Graco Reactor E-30i Integrated Proportioning System*